



The 47" Class (46-15/16" Diagonal) PN-E471R LCD monitor offers exceptionally high image quality and reliability for use in commercial display and digital signage applications. 24/7 certified, the thin bezel PN-E471R offers full 1920 x 1080 (1080p) resolution from analog RGB, digital RGB and HDTV video sources. Fanless architecture helps ensure ultra-quiet reliable operation, and optional input/output expansion board and signage controller provide maximum flexibility. The PN-E471R LCD display professional monitor is fully compatible with SDSS™ Sharp Digital Signage Software and is backed by a 3-year on-site limited warranty (covering parts, labor and backlight). Also available is the PN-E471RP, which features an integrated protective overlay for use in high traffic areas.

Features

- **47" Class (46-5/16" Diagonal) Screen Size** - with 700 cd/m² brightness and 1200:1 contrast ratio.
- **Full 1920 x 1080 (1080p) Resolution** - from analog RGB, digital RGB and HDTV video sources.
- **24/7 Certified** - for use in most any commercial application.
- **3-Year On-Site Limited Warranty** - covers parts, labor and backlight, in both landscape and portrait modes.
- **Advanced Fanless Architecture** - operates silently with maximum reliability.
- **Thin Bezel Design along with Enlarge (Zoom) Display Mode** - enables easy installation of high-impact video walls of up to 5 x 5. (Some installations may require additional third-party hardware.)
- **Built-in 10 Watt per Channel Stereo Speakers** - eliminates need for an external audio system for many installations.
- **Extensive Interface Capability** - Standard interfaces include HDMI® input D-Sub 15-pin RGB input, stereo audio input, stereo audio line-output and RS-232C input/output.
- **Optional Input/Output Expansion Board (PN-ZB01)** - adds DVI-D input/output, 5-BNC analog RGB input, component video input, S-video input, composite video input (BNC), stereo audio (RCA) input x 2, RJ-45 LAN display control and stereo speaker output (10W x 2).
- **Optional Signage Controller (PC)** - easily attaches to rear of display. Permits all-in-one digital signage display package.
- **Compatible with SDSS™ Sharp Digital Signage Software**
- **Available with Integrated Protective Overlay (PN-E471RP)** - to enable use in high traffic applications.
- **ENERGY STAR® Qualified** - with exceptionally low power consumption.

*Screen image simulated.



PN-E471R

Basic Specifications

Screen Size Class	47" Class (46-15/16" Diagonal)
Bezel Width	19.5 mm
Native Display Resolution	1920 x 1080
Maximum Brightness	700 cd/m ²
Landscape and Portrait Mode Operation	Yes
Certified for 24/7 Continuous Operation	Yes
Fan-Less Architecture	Yes
Audio	10W + 10W Stereo with built in speakers
LCD Type	TFT Active Matrix LCD
Number of Colors (approx.)	1,064 Million
Contrast Ratio	1200:1
Aspect Ratio	16:9
Viewing Angle	178° H x 178° V (CR>=10)
Active Screen Area	40-15/16" W x 23" H
Frame Rate	60 Hz
Pixel Pitch	0.542 mm H x 0.542 V
Video System	NTSC (3.58 MHz; 4.43 MHz), PAL, PAL60, SECAM
Computer Input - Video	Analog RGB (0.7 Vp-p) [75-ohm], Digital (conforms to DVI 1.0 standards)
Computer Input - Synchronization	Horizontal / Vertical separation (TTL: positive/negative), Sync on green, composite sync (TTL: positive/negative)
Computer Input - Plug & Play	VESA DDC2B
Power Management	VESA DPMS, DVI DMPM
Response Time	9 ms (gray to gray, avg)

Terminals

PC/AV Video Input	Analog mini D-sub 15-pin. DVI-D 24-pin HDCP Compatible (requires optional PN-ZB01); Analog 5-BNC (requires optional PN-ZB01; analog RGB and component are menu selectable).
PC/AV Audio Input	3.5 mm mini stereo jack
Video Input	Composite Video - BNC (requires optional PN-ZB01)
S-Video Input	5-Pin DIN (requires optional PN-ZB01)
Component Video	BNC (Y, Cb/Pb, Cr/Pr) (requires optional PN-ZB01; component video and analog RGB are menu selectable).
HDMI®	Yes - compatible for both PC and AV components
Audio (AV)	RCA pin (L/R) x 2 (requires optional PN-ZB01)
Computer Output	DVI-D 24-pin (HDCP compatible, PC/AV signal; requires optional PN-ZB01)
Audio Line Output	RCA pin (L/R) - selectable fixed or variable line output
Speaker Output	10W + 10W Stereo (6-ohms; requires optional PN-ZB01)
LAN Port	RJ-45 (requires optional PN-ZB01)
RS-232C	D-sub 9-pin
Power Output Connector	Yes - 19V

Functions

Screen Adjustment	Auto (Clock, Phase, H-POS/V-POS) / Manual
Gain Control	Auto (Black level, Contrast) / Manual

Functions	
Digital Scaling (expansion)	YES (VGA/SVGA/XGA/SXGA -> 1920 x 1080)
Digital Scaling (compression)	1920 x 1200, 1600 x 1200
Main User Adjustments	Clock, Phase, H-POS/V-POS, Black level, Contrast; Color temp (15 steps preset + 5600K/9300K + User setting); Color mode (Standard/sRGB/Vivid); Gamma (1.8/2.0/2.2/2.4/User setting); Brightness, Volume, Audio (Treble/Bass/Balance), OSD-POS; Picture Adjustment (Tint, Color Intensity) [PC/AV mode]; R/G/B/Y/M/C independent adjustment [AV mode]
Information	Model No., Serial No. etc.
Real Time Clock Setting	Yes
Scheduling Function	YES (Time, Day of the week)
All Reset	Yes
Reset	Screen/Picture/Audio adjustment setting, etc.
Adjustment Lock	YES (incl. Power button)
Daisy Chain (DVI-D)	Optional (PN-ZB01): max. 5 units (HDCP compliant)
Enlarge	Yes
Frame Width Adjustment	Yes
PinP / PbyP	YES (PinP : 12 steps)
Power On Delay	1-60 seconds (with 1 second interval)
Power On Delay	Yes
Power On Delay	No
Self Adjust	YES (PC Analog Input)
Log Save / Output	Yes
Temperature Control	Yes
Hardware Diagnosis	Yes
Monitor Control Software Support	Yes
Web Browser Setting (LAN)	Optional (PN-ZB01)
E-Mail Notification	Optional (PN-ZB01)
SNMP	Optional (PN-ZB01)
Overscan Setting (AV Input)	Yes
Image Size Change Function	Yes
Resolution Change Function (PC analog)	Yes
RS-232C Communication Speed Change	Yes
Conversion of Stereo Audio to Monaural	Yes
Selection of Audio Input per image input	Yes
Internal / External Speaker Select	Optional (PN-ZB01)
Power	
Power Consumption	260W; 225W (without audio input)
Standby Power Consumption	2.0W (standby mode in Standard), 0.8W (standby mode in Low Power)
Power Source	100 - 240V AC, 50/60 Hz
Weight & Dimensions	
Dimensions	
Product Dimensions (wxhxd) (inches)	42-5/8" (W) x 4-3/8" (D) x 24-3/4" (H)
Package Dimensions (wxhxd) (inches)	48-13/16" (W) x 11-1/32" (D) x 31-3/32" (H)
Weight	
Net Product Weight (lbs.)	56.2 lbs.
Shipping Weight (lbs.)	68.3 lbs.

	Additional Specifications
UPC	074000046993
Tuner	None
Operating Temperature	0°C - 40°C
Operating Humidity	20% to 80% RH (no condensation)
Storage Temperature	-4 ~ 140° F (-20 ~ 60° C)
Limited Warranty	3-Year on-site. Covers parts, labor and backlight in landscape and portrait mode operation.
Storage Temperature	UL 60950, FCC Class A
ENERGY STAR® Qualified	Yes
Mounting Configuration	VESA (6 points), 200 mm (7-7/8") pitch, M6 screws or VESA (4 points), 200 mm (7-7/8") pitch, M6 screw
Remote Control	Yes (wireless remote plus wired RJ-45 and RS-232C) (RJ-45 requires optional PN-ZB01)
Included Accessories	3-wire (grounded) power cord (approx. 10'), remote control with batteries (AAA x 2), CD-ROM, operation manual, stand hole protection cover x 2, vertical sticker (operation panel), vertical sticker (logo), blank sticker, cable clamp x 2
Optional Input/Output Interface Board	Yes - PN-ZB01. Easily attaches to rear of display and adds DVI-D input/output, 5-BNC analog RGB input, composite video input, component video input, S-video input, stereo audio (RCA) input x 2, RJ-45 LAN display control, stereo speaker output (10W x 2, 6-ohms).
Optional Signage Controller	Yes - PN-TPC1. Compact signage controller PC easily attaches to rear of display. Permits all-in-one digital signage package. Utilizing a powerful dual core Intel® Atom™ N330 CPU, it is capable of supporting multiple monitors and video streams. The PN-TPC1 comes pre-loaded with SDSS™ Sharp Digital Signage Software and is certified to run many third-party digital signage software packages including Scala® and BroadSign™.
Compatible with SDSS™ Sharp Digital Signage Software (optional)	Yes. SDSS delivers content program creation, registration, scheduling and distribution of pre-scheduled information on Sharp PN series displays. Operates easily with user-friendly interface
Also Available	PN-E471RP – Same as PN-E471R with integrated protective acrylic overlay (Special Order)

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